

**Liquid biopsy uncovers distinct patterns of DNA methylation and copy number changes in NSCLC patients with different EGFR-TKI resistant mutations**

Hoai-Nghia Nguyen, Ngoc-Phuong Thi Cao, Thien-Chi Van Nguyen, Khang Nguyen Duy Le, Dat Thanh Nguyen, Quynh-Tho Thi Nguyen, Thai-Hoa Thi Nguyen, Chu Van Nguyen, Ha Thu Le, Mai-Lan Thi Nguyen, Trieu Vu Nguyen, Vu Uyen Tran, Bac An Luong, Le Gia Hoang Le, Quoc Chuong Ho, Hong-Anh Thi Pham, Binh Thanh Vo, Luan Thanh Nguyen, Anh-Thu Huynh Dang, Sinh Duy Nguyen, Duc Minh Do, Thanh-Thuy Thi Do, Anh Vu Hoang, Kiet Truong Dinh, Minh-Duy Phan, Hoa Giang, Le Son Tran

**Table S4:** list of genes associated with 5 significantly enriched pathways analysed by g:Profiler

	sources				
	KEGG	KEGG	REAC	REAC	REAC
term_name	Signaling pathways regulating pluripotency of stem cells	Maturity onset diabetes of the young	TFAP2 (AP-2) family regulates transcription of other transcription factors	Activation of HOX genes during differentiation	Activation of anterior HOX genes in hindbrain development during early embryogenesis
term_id	KEGG:04550	KEGG:04950	REAC:R-HSA-8866906	REAC:R-HSA-5619507	REAC:R-HSA-5617472
adjusted_p_value	8.22833E-06	0.000305328	0.008212658	0.016298123	0.016298123
negative_log10_of_adjusted_p_value	5.084688284	3.515233145	2.085516262	1.787862412	1.787862412
term_size	143	26	4	120	120
query_size	133	133	182	182	182
intersection_size	14	6	3	10	10
effective_domain_size	8000	8000	10622	10622	10622
intersections	LHX5,PIK3CB,HOXB1,HOXA1,MEIS1, WNT11, ID4, TBX3, HAND1, PAX6, ONECUT1, HOXD1, SMARCAD1, WNT7B	MNX1, SLC2A2, PAX6, ONECUT1, PKLR, HHEX	TFAP2A, TFAP2C, PITX2	HOXB1, HOXB2, MEIS1, HOXC4, PAX6, HOXD1, HOXD4, MAFB, PAXIP1, CNOT6	HOXB1, HOXB2, MEIS1, HOXC4, PAX6, HOXD1, HOXD4, MAFB, PAXIP1, CNOT6